

# Vinit Digambar Lanjewar

PG, Government College Road Hoshiarpur – 146022|+91 9923178715| [vinitlanjewar@gmail.com](mailto:vinitlanjewar@gmail.com)

## Objective

Skilled Process Control Mechanical Engineer adept fabrication processes, and continuous process improvement seeking to help increase process efficiency by decreasing cycle time and guaranteeing quality process development throughout the product life cycle.

## Profile Summary

- **4 Year's 3 Month's** experience in Process Engineering/Manufacturing Engineering for **Aggregates - Hydraulics, Transmission, Front Axle Assembly**
- Proficiency in **New Product Launch/ Planning** of New Product
- Experience in **Assembly Process planning**, improvement, implementation for new product & capacity projects with controlling documents like **PFD, PFMEA, CONTROL PLAN, MFG. BOM & SOPs**
- Proficient in initiating improvements in Current process & Plant operation & providing facilities for new process requirements

## Core Competence

- Assembly Process Engineering
- **Team center**– Design For Assembly study, e-BOM to m-BOM conversion, Design Mockup for Tool Accessibility, Vismockup, **Auto Cad** – Layout development& Optimization
- **SAP modules** – PR processing & Material management
- New product– Process Engineering – Process flow development, Layout development, FTG development & Process / Capacity improvement
- Vendor Selection, Technical Comparison & Onboarding for Project from SOS, DAP to I&C
- Good communication and presentation skill
- Adaptive to diversification, Excellent co-ordination capacity, MS-Office

## Professional Experience

**INTERNATIONAL TRACTORS LTD, HOSHIARPUR (PUNJAB)**

**Project: 8+2 & 9+2 AWD Export model tractor proto build and line validation at Hoshiarpur, July 2022 to current**

**Department: New Product Manufacturing Engineering**

**Designation: Engineer (Executive)**

### Roles & Responsibilities:

- Develop and review design prototype, perform test and finalize product design to facilitate mass production.
- Analyze new components, materials and technologies to evaluate functionality for all new product development.
- Benchmarking assembly process
- Work with design engineer's to define requirements to subsystems and interface component
- Supporting manufacturing and design activities by developing prototypes for products in development, Study new product and FTG development

## **MAHINDRA & MAHINDRA LTD. FARM DIVISION KANDIVALI (MUMBAI)**

**Project: First In-house 4WD Front Axle Assembly Line Design & Commissioning At Nagpur, Jan 2021 to Mar 2022**

**Department:** Central Manufacturing Engineering (CME)

**Designation:** Contract Trainee (Consultant)

**Roles & Responsibilities:**

### **Projects/Platform Handled**

- First In-house 4WD Axle
- Dhruv Front Axle
- Yuvo Star Transmission @ Zaheerabad
- Study of new product BOM, Add-delete list, Product specification charts (Assembly, testing, torque, Millipore) for effectively planning of Process, standard and special tooling's, facilities
- Coordinator between R&D (Design) and manufacturing for smoothly launching of product on assembly line
- Preparation of Assembly and Testing Documents like Process Flow diagram (PFD), Control Plan, PFMEA, Check sheets, SOP, Training material for Operators
- Responsible for proving of assembly facilities like Subassembly setups, Tooling's, Tightening tools, Assembly fixtures & Material Handling equipment's.
- Implementation of Engineering changes/Process changes at Production line with coordination of all stakeholders.
- Preparation of PPAP documents & handover to Production along with new project facilities.
- SAP (System Application & Products in Data Processing).
- Team center use for BOM comparison, process mapping, process flow and PFMEA, process feasibility study
- Layout changes done under K-2 relay outing and material flow optimization for existing three assemblies – PTO shaft S/A, Low and High fork rail S/A, Hollow drive shaft S/A
- **Achievements:**
- Received spot award for m-star front axle FTG development
- Taken initiative to Co-ordinate between different departments for smooth project execution
- Appreciation for In-house front axle FTG planning and I&C successfully
- Develop and execute a plan to resolve queries which arise at various stages of project.
- DC Accessibility concern resolved by redesigning the fixture and proved out.
- Common and automation of Front axle test rig for Dhruv 4WD, Swaraj, and M-star front axle in Nagpur plant
- Automated clutch housing bush pressing setup to eliminate manual pressing of bush and reduce measure noise eliminated due to this setup

## **MAHINDRA & MAHINDRA LTD, NAGPUR**

**Project: Torque Confirmation Feedback System on VTU Assembly Conveyor Feb 2018 to Feb 2020**

**In contract from March 2020 to Dec 2020**

**Department: Manufacturing Process in Hydraulic.**

**Designation: DET**

### **Roles & Responsibilities:**

- Preparation of Process Documents Hydraulic Assembly & Testing. Documentation for PFD, CP, SOP, PFMEA.
- Plan & Execute Process Audit plans & monitors it through Daily Work Management Process.
- Troubleshooting & improvements of Assembly processes.
- Reviewing & Analyzing customer complaints, line rejection and taking corrective actions on daily basis.
- Hands on experience of Torque tools & other measuring instruments, Product & process audits, Problem Solving tools.
- Continuous improvement in Process & Work Standards.
- Periodic Calibration of Gauges, Fixtures, Torque Wrenches, DC's.
- Maintaining the tools, Instruments & gauges.

- **Projects**

- Eliminating the use of hammer for Piston Pressing on Assembly line.
- Capacity Enhancement in Hydraulic Testing out from 22 Hydraulics to 28 Hydraulics per shift & per Test-Rigs.
- E- Traveler card system to Control Valve Assembly Line.
- Eliminating Flow control valves by using VFD for LPM setting.

- **Achievements**

- ALTERNATIVE THINKING CERTIFICATE AWARD for unique process introduction in control valve Testing to defect not lifting defect in testing itself due to assembly lapse and fault forward approach.
- Star of the month Award for overwhelming work in Tool & Fixtures development of Dhruv Hydraulics.
- Star of the month Award for extra efforts in resolving DC Feedback Component issue in Targeted Time.

## Education

### **BACHELORS OF ENGINEERING |June 2019 to July 2022|**

- **Department:** Mechanical Engineering
- **College:** VM Institute Of Technology And Engineering Nagpur
- **CGPA:** 8.85

### **DIPLOMA IN AUTOMOBILE ENGINEERING |2013-2016|**

With 89.31% in the year(2016)from Government Polytechnic Sadar,Nagpur,440001

### **HIGHER SECONDARY SCHOOL – 78.50% |2011-2012|**

### **SENIOR SECONDARY SCHOOL - 86.36 % |2009-2010|**

## PROJECT

- In Diploma – Modification in selective catalytic reduction
- In B.E – Automated wet coal dry system for thermal power plant

## Personal details

- Father's Name: D.T. Lanjewar
- DOB: 26<sup>th</sup> Nov 1993
- Marital Status: Single
- Language: English, Hindi & Marathi (Mother Tongue)
- Nationality: Indian
- Permanent Address: Ward no 2 Near Rohara Rice Mill, Kurhadi, Gondia. Pin code-441801
- Mobile No: +91-9923178715
- E-Mail ID: [vinitlanjewar@gmail.com](mailto:vinitlanjewar@gmail.com)

## Declaration

I hereby declare that the above information given by me is true to the best of my knowledge. I will be very glade if you give me a chance to work with your reputed firm.

Place: -

Date:-

Yours Faithfully

Vinit Digambar Lanjewar